# Vinay Sekhar Reddy

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## SUMMARY

Versatile Software Engineer with 2 years of experience building scalable backend systems and full-stack applications in banking and AI domains. Proficient in Java, Spring Boot, REST APIs, SQL, AWS, Python, React and Node.js, developing reliable backend services, cloud and LLMs integrations. Quick to learn, adaptable, and driven to grow within high-impact, cross-functional teams solving real-world challenges.

## TECHNICAL SKILLS

**Languages**: Java (Java 8+), Python, C, JavaScript (ES6+), SQL, HTML5, CSS3
**Frameworks**: React, NodeJs, ExpressJs, Spring Boot, Hibernate/JPA, Redis, REST API, FastAPI, Tailwind CSS
**Database and Cloud**: MySQL, PostgreSQL, AWS (EC2, Lambda, S3, CloudWatch), Kubernetes, Docker, CI/CD
**Tools**: Git, Github, Bit Bucket, JIRA, OpenAI
**Coursework Knowledge**: OOPs, Data Structures, Computer Networks, Machine Learning, Agile, TDD

## EXPERIENCE

### Java Developer
Aug 2025 – Dec 2025
*Nvision Group* — *Grapevine, Texas*

- Implemented secure API authentication and authorization using OAuth2, JWT, SSL/TLS, and IAM, ensuring SOC 2 and PCI-DSS compliance to prevent security incidents for internal and external services.
- Built centralized observability pipelines using Log4j and CloudWatch enabling proactive anomaly detection via threshold-based alerts on API latency and error rates and accelerating incident resolution by 10%.
- Orchestrated cloud-native deployments using Jenkins, Maven, Docker, AWS EC2/Lambda enabling zero-downtime CI/CD via blue-green deployments and EC2 autoscaling to reduce infrastructure costs by 20%.
- Created technical release notes and API documentation for 8 production releases, reducing support tickets by 20%

### Software Engineer
Feb 2023 – Jul 2023
*HCL Tech* — *Hyderabad, India*

- Built responsive, production-ready UIs using JavaScript, React-based Visualizer (internal low-code UI builder), and Tailwind CSS, improving UX across 1,500+ daily sessions."
- Identified and mitigated a security vulnerability during UAT review by removing session user IDs from PDF transaction URLs and enforcing server-side authorization to prevent unauthorized access banking documents.
- Collaborated with QA and product teams to identify and fix 60+ critical system defects in UAT environment, leading to 40% reduction in reported bugs and 25% improvement in platform uptime.
- Operated high-performance REST APIs and backend services using Spring Boot, and Microservices architecture, ensuring compliance with PCI-DSS, SOC2, and FFIEC requirements including data encryption and audit logging.
- Optimized backend data flow by implementing pre and post processors for request validation, response formatting, and API error handling, improving scalability during peak banking hours.
- Conducted code reviews, sprint retrospectives and release health checks to identify bottlenecks early, optimizing resource allocation and improving sprint completion rate by 20%.

### Associate Software Engineer
Oct 2022 – Feb 2023
*Temenos* — *Hyderabad, India*

- Wrote modular, well-documented backend code following clean code principles and consistent naming conventions, reducing new developer onboarding time by 40% and accelerating feature development.
- Monitored and maintained 12+ cloud environments across development, UAT and production stages, ensuring service health, validating API request mappings and security configurations for consistent deployment stability.
- Led integration work of QuickBooks and Intuit services through development of pre-processors, post-processors, object services, orchestration services, and API handling in Temenos Quantum Fabric (Cloud).

### Product Engineer
Feb 2022 – Sept 2022
*Temenos* — *Hyderabad, India*

- Developed and maintained backend solutions using Temenos Quantum Fabric, which enabled seamless integration with banking systems and enhanced backend infrastructure.
- Resolved over 15+ high-impact defects in collaboration with QA and product teams, which allowed for a 40% increase in application performance and 25% increase in platform (mobile and web) uptime.
- Actively participated in code reviews with team, providing constructive feedback and incorporating suggestions.

## PROJECTS

**ProjHealth - AI-Powered Health Platform** | *React, Node.js, Express.js, LLM integration, Stanford NLP* | <u>Link</u>
- Built AI-powered health platform generating personalized workout, diet, and sleep plans for 100+ users with scalable frontend-backend integration.
- Implemented prompt caching to optimize OpenAI API costs, achieving P95 inference latency of 250-300ms while processing 20K+ daily biometric datapoints.
- Developed "Oats" AI coach delivering 1,000+ personalized responses, supporting 100-150 QPS during cohort tests for real-time high-volume user interactions.

**Grumpy Rocket - Offline Game Development Project** | *C#, Unity Game Engine, Shaders, Google Admob* | <u>Link</u>
- Developed Unity space adventure game with advanced physics, and AI-driven NPC behavior, enhancing player engagement and achieving 4.7-star user ratings.
- Integrated Google AdMob analytics to track player behavior, identifying that 65% of users dropped off at Level 3, leading to difficulty rebalancing that improved Day-7 retention by 30%.
- Refined game performance through optimization and feature iteration by referring the Unity documentation ensuring smooth offline gameplay for 100+ downloads and consistent user satisfaction.

## HONORS AND AWARDS

**Winner, MLH Hackathon - Developed a multilingual AI chatbot using IBM Watson NLP** — Powered by Microsoft — 2020
**Featured in Times of India - Piezoelectric energy harvesting project; 7 national awards** — 2014
**Hobbies**: Exploring Space theories, Teaching people to code

## EDUCATION

**University of North Texas**                                          Aug 2023 – May 2025
*Master of Science — Computer Science — GPA: 3.6*                            Denton, TX

**Anurag Group of Institutions**                                      Aug 2018 – May 2022
*Bachelor of Technology — Computer Science and Engineering — GPA: 8.35*       Hyderabad, India
- Honors: Received merit scholarship for all the six semesters